



Name of Vessel
Comarco Merlin

Flag
Tanzania

Port of Registry
Zanzibar

Year of Delivery
1999

Type
Ocean Going / Towing Tug

Classification
MBA

Dimensions
29.0 m x 9.0 m x 4.25 m

Draft
3.5 m (Designed) / 3.95 m (Max)

GRT / NRT / DWT
250 rT/ 75 rT / 151 rT

Clear Deck Space
7.1 m x 4.5 m

Speed
12.0 knots

Bollard Pull
30.60 tf

Endurance
26 days

Accommodation
Fully air-conditioned for 12 men

Lifesaving
Comply to SOLAS requirements

Firefighting
Comply to SOLAS requirements

Fuel
170 m³

Fresh Water
16 m³

Main Engines
2 x YANMAR M220-EN medium speed six cylinder diesel engines producing 1200 bhp each at 800 rpm

Generators
2 x 99 kVA 415/3/50 driven by 2 x Cummins 6CT8-3G diesel engines

Propulsion
2 x YANMAR YC-1100 3.28:1 reverse reduction gearboxes coupled to four bladed 2,300 mm diameter fixed pitch propellers turning in Kort nozzles at 224 rpm

Steering Gear
Electro hydraulic, 3 t torque

Fuel Oil Purifier
Mitsubishi F.O. purifier SJ-700 of 1,250 litres per hour capacity

Anchor Windlass
Electro-hydraulic, 4 t at 14 m/min

Anchors
2 x 480 kg stockless anchors

Anchor Chain
2 x 220 m x 24 mm diameter U2 stud link chain

Towing/Anchor Winch
ZICOM single drum hydraulic towing winch. 70 t brake capacity. 10 t line pull at 12 m/min Drum size 650 m x 44 mm SWR

Wire Storage Reels
1 x electric wire storage reels of 650 m x 44 mm SWR capacity. Storage reel will contain 650 m x 44 mm of spare towing wire

Cutting Equipment
2 bottles oxygen and 1 bottle acetylene c/w cutting torch

Liferafts
2 x 15 men

Echo Sounder
1 x HONDEX HE-881

Radar
FURUNO SMR 3700, JAPAN
OVA TECHNOLOGY, M1831LMK2

VHF
RECENT SY-201, JAPAN
SAILOR 6222 DSC, JAPAN

SSB
1 x 250 W MHYF/HF fully synthesized SSB radiotelephone. FURUNO 1562-25

Gyro & Automatic Pilot
TOKIMEC ES110 gyro with FURUNO FAP 330

Public Address System
1 x 50 W VINGTOR VRC 110M system

Other Navigation Equipment
GPS Satellite Navigator, Auto-Pilot, Public Address System, Inmarsat-C, Navtex